

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/089068 A3

(51) International Patent Classification:
A61K 31/44 (2006.01)

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/IL2005/000336

(22) International Filing Date: 24 March 2005 (24.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/555,667 24 March 2004 (24.03.2004) US

(71) Applicant (for all designated States except US): RIMONYX PHARMACEUTICALS LTD. [IL/IL]; P.O.BOX 4056, 70400 Ness-Ziona (IL).

(84) Designated States (unless otherwise indicated for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

Published:

(75) Inventors/Applicants (for US only): GREGOR, Paul [IL/IL]; 7/1 Eizenberg Street, 76291 Rehovot (IL). HARRIS, Nicholas [IL/IL]; 14/7 Hanassi Harishon Street, 76302 Rehovot (IL). KOPPEL, Juraj [SK/SK]; 4 Bellova Street, 04001 Kosice (SK). ZHUK, Regina [IL/IL]; 14/11 Hatayassim Street, 74062 Ness-Ziona (IL).

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(74) Agent: BEN-AMI, Paulina; Ben-Ami & Associates, P.O. BOX 94, 76100 Rehovot (IL).

(88) Date of publication of the international search report:

27 July 2006

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/089068 A3

(54) Title: PHARMACEUTICAL COMPOSITIONS COMPRISING ANTI-INFLAMMATORY QUINAZOLINECARBOXAMIDE DERIVATIVES

(57) Abstract: The present invention provides pharmaceutical compositions comprising quinazolinecarboxamide derivative, and certain novel quinazolinecarboxamide derivatives capable of inhibiting heparan sulfate-glycosaminoglycan (HS-GAGs) interactions with L-selectin, and useful in the prevention or treatment of various diseases, disorders and conditions mediated by HS-GAGs, particularly inflammatory and autoimmune diseases, viral diseases, cancer, and amyloid disorders.